Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/12/2018 09:40 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123011	-2	2.18	123055	2.18
Blue	F	SSC	125000	123851	-1	3.86	124709	3.89
Blue	E	FITC	15492	15079	-3	3.83	350	21.63
Blue	D	PE	28736	27974	-3	3.22	616	16.63
Blue	B	PerCP-Cy5-5	41413	41307	-1	4.62	1130	23.07
Blue	A	PE-Cy7	31321	31333	0	7.09	569	46.16
Red	C	APC	41673	40953	-2	3.00	1583	13.14
Red	A	APC-Cy7	29962	29517	-2	2.90	740	13.57
Violet	B	V450	8318	7875	-6	4.31	437	14.71
Violet	A	V500	34199	33577	-2	4.04	811	10.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20100	3.48	603	-10	N/A	N/A	Pass
Blue	F	SSC	55981	3.37	572	4	N/A	N/A	Pass
Blue	E	FITC	58	72.23	554	-7	0.0162	152	Pass
Blue	D	PE	123	57.86	553	-7	0.1259	279	Pass
Blue	B	PerCP-Cy5-5	210	54.01	659	-8	0.0072	3	Pass
Blue	A	PE-Cy7	112	114.65	714	-8	0.0097	26	Pass
Red	C	APC	362	27.68	598	-3	0.0199	99	Pass
Red	A	APC-Cy7	183	30.24	573	-3	0.0050	944	Pass
Violet	B	V450	64	69.02	471	-6	0.0380	1826	Pass
Violet	A	V500	114	38.86	490	-4	0.0210	1155	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.13	-32.37	1.11
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.50
Red	18.78	13.60 - 20.40	N/A	N/A	29.31	30.03	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10128

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments